

ABSTRACT

A structure and method for adjusting waveforms of optical filters used in a DWDM system comprises a filter, a GRIN lens and a biporose pigtail with two holes therein. The holes are parallel to a center-axis of the pigtail but at different distance from the center-axis thereof, an input and return optical fiber are secured within the two holes. The GRIN lens is provided with a first end coupled with the biporose pigtail, thus signals from the input fiber can input the lens and the reflected signals from the lens can enter into the return fiber. The GRIN lens further defines a second end angularly to the axis thereof. The filter transmits determining wavelength and is joined with the second end of the GRIN lens.